|  | Index of Claims |                  |                     |          |          |          |          |                  |          |               |              |                  |                            | Application/Control No. |               |           |           |              |           |           |                      |          | Applicant(s)/Patent under Reexamination |                |                    |           |           |           |           |          |          |          |           |  |  |  |
|--|-----------------|------------------|---------------------|----------|----------|----------|----------|------------------|----------|---------------|--------------|------------------|----------------------------|-------------------------|---------------|-----------|-----------|--------------|-----------|-----------|----------------------|----------|---|----------------|--------------------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|--|--|--|
|  |                 |                  |                     |          |          |          |          |                  |          |               |              |                  |                            | 10/688,574<br>Examiner  |               |           |           |              |           |           |                      |          |   | JHINGAN, NITIN |                    |           |           |           |           |          |          |          |           |  |  |  |
|  |                 |                  |                     |          |          |          |          |                  |          |               |              |                  |                            |                         |               |           |           |              |           |           |                      |          |   | Art Unit       |                    |           |           |           |           |          |          |          |           |  |  |  |
|  |                 |                  |                     |          |          |          |          |                  |          |               |              |                  |                            |                         | Susan Y. Chen |           |           |              |           |           |                      |          |   | 2161           |                    |           |           |           |           |          |          |          |           |  |  |  |
|  | 1               |                  |                     |          |          | Rejected |          |                  |          |               | (            | —–<br>Γhrοι<br>C | hrough numers<br>Cancelled |                         |               |           | al)       |              | N         | Non-E     |                      | Elected  |   |                | A                  | Appeal    |           |           |           |          |          |          |           |  |  |  |
|  | =               |                  |                     | Allowed  |          |          |          |                  |          |               | R            | Restricted       |                            |                         |               |           |           | ı            | Inte      | erfe      | ren                  | СӨ       |   | 0              |                    | Ob        | oje       | cte       | d         |          |          |          |           |  |  |  |
|  | Claim           |                  |                     |          |          |          | -<br>e   | ·<br><del></del> |          | $\overline{}$ | Claim        |                  |                            |                         | Dai           |           | ate       |              |           |           |                      | Cl       | aim                                     | ı              | Date               |           |           |           |           | $\neg$   |          |          |           |  |  |  |
|  | <u></u>         |                  | 2                   |          |          |          |          | Π                | Γ        | П             |              |                  |                            |                         | Ť             |           | T         | $\Box$       |           | 1         |                      |          | П                                       |                |                    |           |           | Т         | ヿ         |          |          |          |           |  |  |  |
| in i |                 | Original         | 08C0/8              | ·        |          |          |          |                  |          |               |              | Final            | Original                   |                         |               |           |           |              |           | ļ         |                      |          | Final                                   | Original       |                    |           |           |           |           |          |          |          |           |  |  |  |
|  |                 | 1                | Ý                   |          |          |          |          |                  |          |               |              |                  | 51                         | П                       |               | 7         | 1         | 1            | #         | #         | I                    |          |   | 101            |                    |           | 1         | $\exists$ |           |          | $\Box$   | 1        | 1         |  |  |  |
|  |                 | 2<br>3           | H                   |          | _        | -        | ├        | ├                | $\vdash$ | ├             | Н            |                  | 52<br>53                   | $\vdash$                | -             | -         | +         | +            | +         | +         | +                    | ┨┠       |   | 102<br>103     | $\left  - \right $ | -         | $\dashv$  | $\dashv$  | $\dashv$  |          | $\dashv$ | +        | $\dashv$  |  |  |  |
|  | $\perp$         | 4                |                     |          |          |          |          |                  |          |               |              |                  | 54                         |                         |               |           | $\perp$   | #            |           |           |                      |          |   | 104            |                    | $\exists$ |           |           |           |          |          | $\perp$  |           |  |  |  |
|  | +               | 5<br>6           | $\mathbb{H}$        |          |          |          | -        |                  | ļ        | ┝             | Н            | -                | 55<br>56                   | $\vdash$                |               | $\dashv$  | +         | +            | +         | ╬         | ╁                    | -        |   | 105<br>106     | $\vdash$           | $\dashv$  | +         | $\dashv$  | $\dashv$  | _        | $\dashv$ | $\dashv$ | $\dashv$  |  |  |  |
|  |                 | 7                |                     |          |          |          |          |                  |          |               |              |                  | 57                         |                         |               |           | $\exists$ | $\pm$        |           | 1         | 士                    |          |   | 107            |                    |           |           |           |           |          |          |          |           |  |  |  |
|  |                 | 8                |                     |          |          |          | <u> </u> | _                | _        |               |              |                  | 58                         | $\square$               | $\perp$       | $\dashv$  | _         | $\perp$      | 4         | _         | $\perp$              |          |   | 108            |                    | _         | _         | 4         |           |          |          | 4        | 4         |  |  |  |
| -  |                 | 9<br>10          |                     |          | _        |          |          | 十                | ┝        | ┢             | Н            |                  | 59<br>60                   | $\vdash$                | -             | $\dashv$  | $\dashv$  | +            | +         | +         | +                    | <b> </b> | _                                       | 109<br>110     | Н                  | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$  | -        | $\dashv$ | +        | -         |  |  |  |
|  |                 | 11               |                     |          |          |          |          |                  |          |               |              |                  | 61                         |                         |               | 1         | 1         |              |           |           |                      |          |   | 111            |                    |           | 1         | I         |           |          |          | 1        | 1         |  |  |  |
| -  |                 | 12<br>13         | $\Vdash$            |          |          |          |          | <u> </u>         | ┞        |               | Н            |                  | 62<br>63                   | ⊢∤                      | _             | 4         | +         | +            | +         | 4         | +                    | <b> </b> |   | 112<br>113     | $\sqcup$           |           | 4         | $\dashv$  | -         | _        | $\dashv$ | +        | 4         |  |  |  |
|  | T               | 14               |                     |          |          |          |          |                  |          |               |              |                  | 64                         |                         | $\dashv$      | +         | +         | $\dagger$    | $\dagger$ | $\dagger$ | T                    |          |   | 114            |                    | 7         | +         | $\dashv$  | 1         |          | $\dashv$ | +        | $\dashv$  |  |  |  |
|  |                 | 15               |                     |          |          | _        | _        | <u> </u>         |          |               | $\square$    |                  | 65                         | П                       | _             | 4         | $\perp$   | 1            | 4         |           |                      | [        |   | 115            | П                  |           |           | _         |           |          |          | 1        | 4         |  |  |  |
| -  |                 | 16<br>17         | $\parallel$         | -        |          |          | $\vdash$ | -                |          | ┝             | H            | -                | 66<br>67                   | $\vdash$                | -             | +         | $\dashv$  | +            | +         | +         | +                    | <b> </b> |   | 116<br>117     | $\vdash$           | ╅         | +         | $\dashv$  | $\dashv$  |          | $\vdash$ | +        | $\dashv$  |  |  |  |
|  |                 | 18               | V,                  |          |          |          |          |                  |          |               |              |                  | 68                         |                         | $\Box$        | $\Box$    |           |              | 1         | T         |                      |          |   | 118            |                    |           | 1         | ⇉         |           |          |          | 1        |           |  |  |  |
|  |                 | 1 <u>9</u><br>20 | M                   | -        |          | <u> </u> | ┝        | ├                | _        | ├             | $\vdash$     |                  | 69<br>70                   | $\vdash$                |               | $\dashv$  | +         | +            | +         | +         | +-                   |          |   | 119<br>120     | $\vdash$           | +         | +         | +         |           |          | -        | +        | 4         |  |  |  |
|  |                 | 21               |                     |          |          |          |          |                  |          |               |              |                  | 71                         |                         |               | $\exists$ | ╛         |              |           | $\dagger$ | †                    |          |   | 121            |                    | $\exists$ | 1         | $\exists$ |           |          |          | $\pm$    |           |  |  |  |
|  |                 | 22<br>23         |                     |          |          | _        |          | <u> </u>         | _        | _             | $\vdash$     |                  | 72<br>73                   | $\sqcup$                | 4             | $\dashv$  | +         | _            | _         | 4         | -                    |          |   | 122            |                    | $\perp$   | 4         | $\dashv$  | _         |          |          | 4        | 4         |  |  |  |
|  | +:              | <u>23</u><br>24  |                     |          |          |          | -        | ┢                | -        | -             | H            | $\vdash$         | 74                         | $\vdash$                | $\dashv$      | $\dashv$  | $\dashv$  | +            | $\dashv$  | +         | +                    | <b> </b> |   | 123<br>124     | $\vdash$           | ┪         | $\dashv$  | $\dashv$  | $\dashv$  | _        | $\dashv$ | +        | $\dashv$  |  |  |  |
|  |                 | 25               |                     |          |          |          |          |                  |          |               |              |                  | 75                         |                         | $\Box$        |           |           |              | _         |           |                      |          |   | 125            |                    | コ         | コ         | コ         |           |          |          | 1        |           |  |  |  |
|  | +               | 26<br>27         | Н                   | _        | _        |          | $\vdash$ |                  | _        | -             | Н            |                  | 76<br>77                   | $\vdash \vdash$         | -             | 4         | +         | +            | +         | +         | +                    | ┨        |   | 126<br>127     | $\vdash$           | +         | $\dashv$  | $\dashv$  | _         | _        |          | +        | 4         |  |  |  |
|  |                 | 28               |                     |          |          | _        |          |                  |          |               | H            | -                | 78                         | H                       | $\dashv$      | +         | 十         | +            | +         | +         | +                    | ╽┟       |   | 128            | $\vdash$           | ┪         | $\dashv$  | $\dashv$  | $\dashv$  | _        | $\dashv$ | +        | ᅱ         |  |  |  |
|  |                 | 29               |                     | $\Box$   |          |          |          |                  |          |               | П            |                  | 79                         | П                       | $\Box$        | $\Box$    | 1         | Ţ            | T         | T         | $oxed{\Box}$         |          |   | 129            | П                  | $\Box$    | $\exists$ | $\dashv$  | $\Box$    |          | $\Box$   | $\Box$   | $\Box$    |  |  |  |
|  |                 | 30<br>31         | $\vdash$            |          |          |          | ┢        | ╁╌               | $\vdash$ | -             | H            | $\vdash$         | 80<br>81                   | $\vdash$                | $\dashv$      | $\dashv$  | +         | +            | ╁         | +         | +                    |          |   | 130<br>131     | $\vdash \vdash$    | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | $\vdash$ | +        | $\dashv$  |  |  |  |
|  |                 | 32               |                     |          |          |          |          |                  |          |               |              |                  | 82                         |                         |               |           |           | $\downarrow$ | $\perp$   | 士         |                      |          |   | 132            |                    | 1         | 士         |           |           |          |          |          |           |  |  |  |
| <u> </u>                                 |                 | 33<br>34         | $\vdash \mid$       | $\dashv$ |          | $\vdash$ | -        | -                | $\vdash$ | -             | H            | <u> </u>         | 83<br>84                   | -                       | +             | +         | +         | +            | +         | +         | 1                    |          |   | 133<br>134     | $\sqcup$           | $\dashv$  | +         | $\dashv$  | $\dashv$  | _        | $\vdash$ | 4        | $\dashv$  |  |  |  |
|  |                 | <del>35</del>    |                     |          |          | Н        |          | H                | -        | ┢             | H            |                  | 85                         | ╁╌┤                     | +             | $\dashv$  | ╅         | +            | +         | +         | +-                   |          |   | 135            | H                  | +         | +         | _         |           |          | $\vdash$ | +        | $\dashv$  |  |  |  |
|  |                 | 36               |                     |          |          |          |          |                  |          |               |              |                  | 86                         |                         |               |           |           | $\downarrow$ |           | 1         |                      |          |   | 136            |                    |           | $\Box$    |           |           |          |          | 1        |           |  |  |  |
| -  |                 | 37<br>38         | Н                   |          |          | _        |          | H                | _        | ┝             | $\vdash$     |                  | 87<br>88                   |                         | -             | +         |           | +            | +         | +-        | ╁                    |          |   | 137<br>138     | $\vdash \vdash$    | $\dashv$  | +         | -         | 4         |          | $\vdash$ | +        | -         |  |  |  |
|  |                 | 39               |                     |          |          |          |          |                  |          |               |              |                  | 89                         | $\vdash$                | 1             | 1         | +         | +            | +         | +         | ╁                    |          |   | 139            |                    | +         | $\forall$ | _         | $\dashv$  |          |          | 十        | $\dashv$  |  |  |  |
|  |                 | 10               |                     |          |          |          |          |                  |          | _             |              |                  | 90                         |                         | $\Box$        |           | 4         | 1            | 1         | 1         | $\bot$               |          |   | 140            |                    | _         | $\Box$    | $\Box$    |           |          |          | 4        |           |  |  |  |
|  |                 | 11<br>12         |                     |          |          |          |          | _                | -        |               | Н            |                  | 91<br>92                   | $\vdash$                | $\dashv$      | +         | +         | +            | +         | +         | +-                   | ╽┟       | _                                       | 141            | H                  | $\dashv$  | -         | $\dashv$  | -         | _        |          | +        | 4         |  |  |  |
|  | 4               | 13_              |                     |          |          |          |          |                  |          |               |              |                  | 93                         |                         |               |           | $\bot$    | $\pm$        | $\pm$     | $\pm$     |                      |          |   | 143            |                    |           |           |           | $\exists$ |          |          | 士        |           |  |  |  |
|  |                 | 14<br>15         | $\dashv$            | $\dashv$ |          | igsqcup  | _        | $\vdash$         | Ĺ        | L             | $\square$    |                  | 94                         | П                       | 4             | $\bot$    | 4         | $\perp$      | 7         | $\bot$    | oxdot                |          |   | 144            | П                  | Ţ         | 7         | $\Box$    | $\Box$    | $\Box$   | $\Box$   | Ţ        | 4         |  |  |  |
|  |                 | 15<br>16         | $\dashv$            | $\dashv$ |          | -        | $\vdash$ | $\vdash$         | $\vdash$ | -             | $\mathbb{H}$ |                  | 95<br>96                   | H                       | $\dashv$      | +         | +         | +            | +         | +         | +                    |          |   | 145<br>146     | $\vdash \vdash$    | +         | +         | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | +        | $\dashv$  |  |  |  |
|  | - 4             | 17               |                     |          |          |          |          |                  |          |               |              |                  | 97                         |                         |               | 丁         |           | 士            | $\pm$     | $\perp$   | 士                    |          |   | 147            |                    |           |           |           | 士         |          |          | 士        | $\exists$ |  |  |  |
|  |                 | 18<br>19         | $\vdash \downarrow$ | _        | $\dashv$ | Щ        | <u> </u> | H                |          | _             | $\vdash$     | <u> </u>         | 98<br>99                   | $\square$               | -[            | 1         | $\bot$    | Ŧ            | $\perp$   | $\bot$    | $oldsymbol{\square}$ |          |   | 148<br>149     | $\Box$             | 4         | $\bot$    | $\dashv$  | $\dashv$  | $\Box$   | $\dashv$ | I        | 7         |  |  |  |
| -  |                 | 50               | $\vdash$            | $\dashv$ |          |          | $\vdash$ |                  |          | $\vdash$      | H            | -                | 100                        | $\vdash \vdash$         | $\dashv$      | $\dashv$  | +         | +            | +         | +-        | +                    |          |   | 150            | $\vdash$           | +         | $\dashv$  | $\dashv$  | -         | $\dashv$ | +        | +        | $\dashv$  |  |  |  |
| <u> </u>                                 |                 |                  |                     |          |          |          |          |                  |          | _             |              |                  |                            |                         |               |           |           |              |           |           |                      | r L      |   |                | —                  |           |           | _         |           |          |          |          |           |  |  |  |